



# भारत का राजपत्र The Gazette of India

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No. 23]

NEW DELHI, SATURDAY, JUNE 9, 1973 (JYAISTHA 19, 1895)

इस भाग में जिस पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2 PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

### THE PATENT OFFICE

#### Patents and Designs

Calcutta, the 9th June 1973

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

#### Application for Patents Filed at the Head Office

19th May 1973

- 1172/Cal/73. Council of Scientific and Industrial Research. A process for the preparation of humidity detector tube.
- 1173/Cal/73. Council of Scientific and Industrial Research. A new flake ice maker.
- 1174/Cal/73. I. S. F. S. p. A. Thioamides of 4-substituted syringic acid.
- 1175/Cal/73. I. S. F. S. p. A. Derivatives of dexamethasone, their production and use.
- 1176/Cal/73. I. S. F. S. p. A. New anti-hypertensive compounds having a high therapeutic index and a long-term hypotensive effect.
- 1177/Cal/73. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Pesticidal compositions.
- 1178/Cal/73. Kamyc, Inc., Method and apparatus for cellulose digesting.
- 1179/Cal/73. The Lucas Electrical Company Limited. A housing for a road vehicle lamp. (20th May 1972) (7th Nov. 1972).
- 80/Cal/73. Nippon Hoso Kyokai. Microwave circuits. 21st May 1973
- 1181/Cal/73. Automated Construction Industries, Inc. Method for joining elements of a plastic structure.

- 1182/Cal/73. Automated Construction Industries, Inc. Integral building structure using members of hardened polyester outer skins and interiors of foamed polyurethane.
- 1183/Cal/73. Automated Construction Industries, Inc. Fabrication of structural members.
- 1184/Cal/73. Rotaflex (Great Britain) Limited. Spotlights. (22nd May 1972).
- 1185/Cal/73. E. R. Squibb & Sons, Inc. 7-(D-alpha-amino-1, 4-cyclohexadien-1-ylacetamido) cesacetoxyccephalosporanic acid dihydrate.
- 1186/Cal/73. Tavkozlesi Kutato Intezet. High-frequency mixer circuit.
- 1187/Cal/73. Tavkozlesi Kutato Intezet. Vhf phase modulator for microwave telecommunication equipment.
- 1188/Cal/73. Siemens Aktiengesellschaft. Improvements in or relating to temperature of control system.

22nd May 1973

- 1189/Cal/73. Clin-Midy formerly known as Etablissements clin-Byla. Preparation of a benzodiazepine. [Divisional date 14th June 1965].
- 1190/Cal/73. Dunlop Limited Improvements in or relating to pneumatic tyres and methods of manufacture thereof. (23rd May 1972).
- 1191/Cal/73. Improved Machinery, Inc. Apparatus for the gaseous reaction of material.
- 1192/Cal/73. Societe Nationale Des Poudres Et Explosifs. Device for machining the inside of hoops by spraying abrasive and by direct contact.
- 1193/Cal/73. General Electric Company. Neutron detector system.

- 1194/Cal/73. Siemens Aktiengesellschaft. A.C. switching magnet having a short-circuiting ring.
- 1195/Cal/73. E. Y. Pneva, L. P. Seljutina, L. E. Makka-veeva, A. E. Krokmaljuk, L. Y. Dmitrieva, T. P. Glazman, J. M. Klinae, O. A. Kyakk, I. V. Kulchitskaya, N. G. Dunets, T. T. Kovalskaya, V. I. Shivarov, T. G. Shkurkin, T. V. Shpeier, A process for the production of hydrogen peroxide.
- 1196/Cal/73. Beecham Group Limited. Anti-allergic pharmaceutical compositions.
- 1197/Cal/73. Cassella Farbwerke Mainkur Aktiengesellschaft. Derivatives of 1-phenoxy-3-amino-propane-2-ol and process for their production.
- 1198/Cal/73. Chinoin Gyogyszer-Es Vegyeszeti Termekek Gyara Rt., A new hormone process for the preparation thereof.
- 1199/Cal/73. Chinoin Gyogyszer-Es Vegyeszeti Termekek Gyara Rt., New metabolic compositions.
- 1200/Cal/73. Chinoin Gyogyszer Es Vegyeszeti Termekek Gyara Rt., new 1, 3-diphenyl propa-none-1-derivatives and the salts thereof and sweetening agents containing same.
- 1201/Cal/73. Chinoin Gyogyszer es Vegyeszeti Termekek Gyara Rt., New 3, 1-benzoxazine-4-one-derivatives and process for the preparation thereof.
- 1202/Cal/73. Chinoin Gyogyszer es Vegyeszeti Termekek Gyara Rt., Fungicidal composition and process for the preparation of the active ingredient.
- 1203/Cal/73. Chinoin Gyogyszer es Vegyeszeti Termekek Gyara Rt., New Theophylline isobutyrate salts and process for the preparation thereof.
- 1204/Cal/73. Chinoin Gyogyszer es Vegyeszeti Termekek Gyara Rt., Method for the manufacture of vibriocide compositions.
- 1205/Cal/73. Anthony McNamee and John Ferguson. Compressible and expansible chambers.
- 1206/Cal/73. Leningradskoe Elektromashinostroitelnoe Obiedinenie "Elektrosila" imeni S. M. Kirova. Rotor winding directly cooled by liquid for use in non-solient pole synchronous machine.

23rd May 1973

- 1207/Cal/73. Westinghouse Electric Corporation. Thrust bearing assembly.
- 1208/Cal/73. K. M. De Haai. Wire stretcher.
- 1209/Cal/73. Thomson-CSF. Short-range transceiver. (12th December 1972).
- 1210/Cal/73. Industrie Pirelli SpA. Pneumatic tyre and wheel assemblies.
- 1211/Cal/73. Etat Francais. Improvements in or relating to pyrotechnic devices, especially for small caliber cartridges, with mechanical percussion primers, and means for their manufacture.
- 1212/Cal/73. Roy J. Weikert. Filling and sealing system.
- 1213/Cal/73. United States Filter Corporation. Wet electrostatic precipitators.
- 1214/Cal/73. Stanadyne, Inc. Fuel injector.
- 1215/Cal/73. Stanadyne, Inc. Fuel pump and drive therefor.
- 1216/Cal/73. Stanadyne, Inc. Fuel injection pump and automatic timing means therefor.

- 1217/Cal/73. Bunker Ramo Corporation. Electrical connector for transistor outline semiconductor device.

24th May 1973

- 1218/Cal/73. Johns-Manville Corporation. Method of producing shaped hydrated calcium silicate products.
- 1219/Cal/73. Pilkington Brothers Limited. Improvements in or relating to glass manufacturing methods. (5th June 1972).
- 1220/Cal/73. Stein Surface. Improvements in or relating to furnace.
- 1221/Cal/73. National Research Development Corporation. Improvements relating to insecticides. (25th May 1972).
- 1222/Cal/73. Pavement Systems, Inc. Process and apparatus for making asphalt paving compositions.
- 1223/Cal/73. Humes Limited. Improvements in the manufacture of pipes. (25th May 1972).
- 1224/Cal/73. Lucas Aerospace Limited. Generator control circuits. (25th May 1972).
- 1225/Cal/73. Arvind Kumar. Conditioned blankets.

25th May 1973

- 1226/Cal/73. Gib Precision Limited. A new or improved overload clutch. (26th May 1972).
- 1227/Cal/73. Solvay & Cie. Process for the polymerisation of olefines.
- 1228/Cal/73. Universal Oil Products Company. Fluidized catalyst regeneration process.
- 1229/Cal/73. Rohm and Haas Company. Phosphonoureido compounds.
- 1230/Cal/73. The Carborundum Company. Refractory moldable insulation.
- 1231/Cal/73. Bunker Ramo Corporation. Electrical connector and contact.
- 1232/Cal/73. Orissa Industries Limited. High alumina refractories.
- 1233/Cal/73. Union Carbide India Limited. Improvements in or relating to process for the manufacture of sorbic acid and its alkali metal salts.

#### Alteration of Date

135373 (406/1972). Ante-dated to 16th February 1971.

#### Complete Specifications Accepted

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32-F-2(b), 60-X-2(a). 101087.

PROCESS FOR PREPARING 2-NITRO-IMIDAZOLE DERIVATIVES.

LEPETIT S.p.A., OF VIA ROBERTO LEPEIT 8, MILAN, ITALY.

Application No. 101087 filed August 11, 1965.

Convention date August 12, 1964 (32843/64) U.K.

## 2 Claims

A process for preparing a 2-nitroimidazole of the formula shown in Fig-1 of the accompanying drawings, wherein R is a member of the class consisting of hydrogen and lower alkyl groups of 1-8 carbon atoms, R' is a member of the class consisting of lower alkyl groups of 1-8 carbon atoms, n is an integer from 0 to 2, which comprises contacting a 2-amino-imidazole of the formula shown in Fig. 2 of the drawings, with about an equimolecular amount of an alkali metal nitrite in concentrated fluoboric acid and treating the resulting solution with an excess over an equimolecular amount of an alkali metal nitrite in water in the presence of copper powder as the catalyst.

CLASS-F-2(a), 60-X-2(a). 113017.

NOVEL DERIVATIVES OF RIFAMYCINS AND PROCESS FOR PREPARING THE SAME.

LEPETIT S.p.A.—GRUPPO PER LA RICERCA SCIENTIFICA E LA PRODUZIONE CHIMICA FARMACEUTICA, 8, VIA ROBERTO LEPEIT, MILANO, ITALY AND CIBA LIMITED, OF 141 KLYBECKSTRASSE, BASLE, SWITZERLAND.

Application No. 113017 filed November 2, 1967.

Convention date November 3, 1966 (49389/66) U.K.

## 16 Claims

A process for preparing 25-desacetyl derivatives of rifamycins comprising rifamycin B, O, S, SV and derivatives of the said rifamycin B, O, S, SV, consisting in subjecting the selected rifamycin to alkaline hydrolysis in a solvent and optionally converting the obtained 25-desacetyl derivatives of rifamycin S and SV into each other by means respectively of a reducing or oxidizing agent such as ascorbic acid or potassium ferricyanide.

CLASS 32-F-1, 60-X-2b. 114850.

PROCESS FOR THE PREPARATION OF 7-CHLORO-1-METHYL-5-PHENYL-1, 4-3H-BENZODIAZEPIN 2(1H)-ONE CHLORAL HYDRATE.

DELMAR CHEMICALS LIMITED, OF 9321 AIRLIE STREET, LASALLE, PROVINCE OF QUEBEC, CANADA.

Application No. 114850 filed March 5, 1968.

## 8 Claims

A process for the production of a chemical substance having a molecular formula of  $C_{18}H_{16}Cl_4N_2O_8$ , and being further characterized by a melting point of about  $110^{\circ}\text{C}$  to  $118^{\circ}\text{C}$  and by infra-red absorption bands at about  $3430$  and  $1670\text{ cm}^{-1}$ , which comprises reacting 7-chloro-1-methyl-5-phenyl-1, 4-3H-benzodiazepin-2(1H)-one and chloral hydrate.

CLASS 32-F-2(a), 32-F-2(b), 60-X-2(d). 129188.

A PROCESS FOR THE SYNTHESIS OF 2, 2-DIALKYL, 3, 4-DIPHENYL-CHROMENES.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 129188 filed November 12, 1970.

## 1 Claim

A process for the preparation of 2, 2-dialkyl 3, 4-diphenylchromenes, illustrated in the drawing by the preparation of 2, 2-dimethyl-3-phenyl-4-p-( $\beta$ -pyrrolidinethoxy) phenyl-7-methoxychromene (5) (chart 1, R=Me), in which 3-phenyl-4-p-hydroxyphenyl-7-methoxycoumarin (3) is first treated with 1-6 moles of methyl magnesium iodide and the reaction mixture decomposed with dilute mineral acid, such as HCl, to give 2, 2-dimethyl-3-phenyl-4-p-hydroxyphenyl-7-methoxychromene, followed by O-alkylation by treatment with  $\beta$ -chloroethylpyrrolidine in a ketonic solvent, such as acetone, in presence of an acid binding agent such as potassium carbonate.

CLASS 32-F-2(C), 60-X-2-d. 129418.

PROCESS FOR THE MANUFACTURE OF BIGUANIDES.

FARBWERKE HOECHST AKTIENGESellschaft VORMALS MEISTER LUCIUS & BRUNING, OF 45, BRUNINGSTRASSE, FRANKFURT/MAIN, FEDERAL REPUBLIC OF GERMANY.

Application No. 129418 filed November 27, 1970.

## 3 Claims—No drawings

A process for the manufacture of a biguanide which comprises reacting a mineral acid salt of an amidinothio-urea with ammonia and a mineral acid salt thereof in an aqueous solution in the presence of lead-(II) oxide or mercury-(II) oxide.

CLASS 132-B-1. 129760.

AN APPARATUS AND METHOD FOR CONTINUOUS PRODUCTION OF BULGUR.

FISHER FLOURING MILLS CO., 3235—16TH AVENUE SOUTHWEST SEATTLE, WASHINGTON, U.S.A. 98124.

Application No. 129760 filed December 28, 1970.

## 20 Claims

A blending apparatus for blending particulate solids for example wheat which comprises means providing a discharge passageway for blended particulate solid; blending means for introducing segregated streams of said solids into the discharge passageway and combining these solids into a common stream in the passageway at a point of combination; said passageway having an elongated section of at least a minimum length and of substantially uniform cross-sectional area commencing at said point of combination and extending downstream from said point of combination, said minimum length being greater than the distance between the downstream outlet from said elongated section and the critical point upstream at which particle flow begins to be non-uniform across the elongated section as a result of flow through said elongated being restricted downstream to a rate less than the combined maximum flow rates of the segregated streams.

CLASS 40-B-3. 130178.

IMPROVEMENTS RELATING TO THE TREATMENT OF KARANJA OIL.

HINDUSTAN LEVER LIMITED, AT HINDUSTAN LEVER HOUSE, 165-166, BACKBAY RECLAMATION, BOMBAY 20, MAHARASHTRA, INDIA.

Application No. 130178 filed February 4, 1971.

## 2 Claims—No drawings

A method of refining karanja oil which comprises sulphonating the unsaponifiable content of the oil by treatment with sulphuric acid of concentration between 90 and 100% without charring the oil, thereby converting the unsaponifiable material into a form in which it is no longer soluble in the oil, removing the sulphonation products deposited and neutralising the light coloured oil by treatment with alcoholic alkali, followed by treatment with activated carbon and/or bleaching earth.

CLASS B-163.

130278

ROTARY INTERNAL COMBUSTION ENGINE  
HEMANT PATEL, OF TARU MOTORS, ASHRAM  
ROAD, AHMEDABAD-9, STATE OF GUJARAT,  
INDIA

Application No. 130278, filed February 16, 1971.

## 8 Claims

A rotary internal combustion engine comprising a rotor body having three apexes equally spaced from each other, said rotor body adapted to rotate within a stationary housing and comprising a rotor housing consisting of two end plates with an inter connecting member therebetween, a rotor ring spaced from said end plates and held to said housing, an eccentric mounted on a shaft and disposed within said ring, a balance ring held to one side of said rotor ring, a gear held to said rotor ring on the other side thereof, an off set side bearing plate held on either sides of said ring to said eccentric and a threaded seal ring provided on both sides of said ring and held to the respective end plates.

CLASS 140-B-2, 40-F.

130396

DISTILLATION APPARATUS FOR ATTAR AND  
PERFUMED WATER

COUNCIL OF SCIENTIFIC AND INDUSTRIAL  
RESEARCH. RAFI MARG, NEW DELHI-1, INDIA.

Application No. 130396 filed February 26, 1971.

## 1 Claim

An apparatus for distillation of attar and perfumed water from flowers, fruits, leaves, roots, stem wood of aromatic plants, comprising (i) a distillation flask for charging plant material, consisting of flowers, fruits, leaves, roots, stem wood of aromatic plants, and (ii) a main body which is connected at the bottom to the distillation flask and at the top to a double walled condenser and consisting of two side-tubes, a central condenser having an inner graduated tube, a siphon arrangement at the bottom of the inner tube, the siphon arrangement is for perfumed water, a draining tube with a stopcock for oil, whereby the distillate after condensation of vapours from the double walled condenser is collected and cooled in the central condenser, a receiver for collecting the water siphoned out by the siphon, and a draining arrangement through which oil is drained and collected separately.

CLASS 160-A.

130426

IMPROVEMENTS IN OR RELATING TO SPARE-  
WHEEL CARRIERS FOR VEHICLES

WHEEL CARRIER HOLDINGS (PROPRIETARY)  
LIMITED, OF 206 MARITIME HOUSE,

1 OVEDAY STREET, JOHANNESBURG, TRANS-  
VAAL, REPUBLIC OF SOUTH AFRICA.

Application No. 130426 filed March 1, 1971.

## 6 Claims

A vehicle spare wheel carrier comprising a body having means whereby it can be mounted in a suitable position on the chassis of a vehicle, a fixed hook member on the body, a movable hook member on the body guided for rectilinear movement towards and away from the fixed hook member, means biasing the movable hook member away from the fixed hook member, and handle means on the movable hook member terminating at a point remote from the movable hook member, the two hook members being so located that the periphery of the central opening of a vehicle wheel can be engaged with the fixed hook member and the wheel can then be pivotted about the fixed hook member until the periphery of the central opening of the wheel is engaged by the movable hook member.

CLASS 129-JA.

130493

MANUFACTURE OF DRILL RODS

THE INDIAN MECHANISATION & ALLIED  
PRODUCTS LTD., 6, HASTINGS STREET,  
CALCUTTA-1, WEST BENGAL, INDIA.

Application No. 130493 filed March 5, 1971.

## 4 Claims—No drawings

A method of making drill rods from carbon steel, comprising rolling or forging a carbon steel bar to acquire a diamond or turbine cross-section using suitably designed rolls or dies, the projections or ribs so formed extending longitudinally along the axis of the bar, fixing one end of the so formed bar and twisting the opposite end of the bar to the desired pitch, followed by heat treating the so twisted bar, then cutting the bar into rods of desired length/s and finishing them by forming the ends thereof to conform to drill rods.

CLASS 104-P, 104-F.

130558.

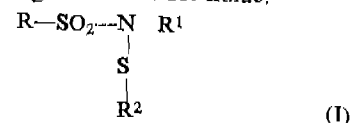
VULCANIZABLE RUBBER CONTAINING RETARD-  
ER FOR INHIBITING PREMATURE VULCANIZA-  
TION.

THE GOODYEAR TIRE & RUBBER COMPANY,  
AT 1144 EAST MARKET STREET, AKRON, OHIO,  
U.S.A.

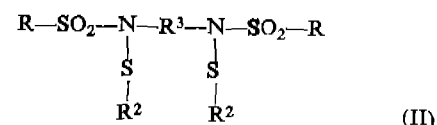
Application No. 130558 filed March 16, 1971.

## 15 Claims—No drawings.

A vulcanizable rubber containing in an amount effective to inhibit premature vulcanization at least one retarder selected from the group consisting of compounds having the following structural formulae.



and



wherein  $\text{R}^1$  and  $\text{R}^2$  are selected from the group consisting of substituted and unsubstituted, saturated and unsaturated hydro-carbon radicals containing 1 to 20 carbons atoms, wherein  $\text{R}$  is selected from the group consisting of  $\text{R}^1$ ,  $\text{R}^2$  and  $\text{R}^4$



wherein  $\text{R}^4$  and  $\text{R}^5$  are selected from the group consisting of hydrogen,  $\text{R}^1$  and  $\text{R}^2$ , and  $\text{R}^4$  and  $\text{R}^5$  can be joined through a member of the group consisting of  $-\text{CH}_2-$ ,  $-\text{O}-$ ,  $\text{NH}-$  and  $-\text{S}-$  to constitute with the

nitrogen atom a heterocyclic radical, and wherein  $R^3$  is selected from the group consisting of substituted and unsubstituted, saturated and unsaturated hydrocarbon radicals containing 1 to 20 carbon atoms and wherein  $R$  and  $R^1$  can be joined through a  $—CH_2—$  group to constitute with the  $—SO_2—N—$  group a heterocyclic radical.

CLASS 42-D.

130625.

#### IMPROVED SMOKING MIXTURE AND A METHOD OF PRODUCING THE SAME.

IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, S.W. 1., ENGLAND.

Application No. 130625 filed March 18, 1971.

Convention dated March 23, 1970 (13860/70) U.K.

26 Claims—No drawings.

A smoking mixture comprising a solid organic combustible material as smoke producing fuel, a film-forming agent or binder, and a harmless inorganic filler, said filler being present in a proportion of 40 to 65% by weight of the mixture and the combination of cations and anions in the filler being such as to impart a commercially acceptable burning rate to the mixture.

CLASS 9-D.

130652

#### A METHOD OF MAKING RAIL STEEL.

BRITISH STEEL CORPORATION, OF 33 GROSVENOR PLACE, LONDON S. W. 1., AND BRITISH RAILWAYS BOARD, OF 222 MARYLEBONE ROAD, LONDON N. W. 1., ENGLAND.

Application No. 130652 filed March 20, 1971.

Convention dated March 20, 1970 (13487/70) U.K.

25 Claims—No drawings.

A method of making a steel rail section which comprises hot rolling into a rail section steel containing a grain refining element and a hardening element and subjecting the rail section so formed to a fine graining process comprising either normalising or a controlled rolling process, as herein defined, to produce in the steel a ferrite grain structure finer than ASTM 8.

CLASS 24-B, 127-A.

130769.

#### PRODUCTION OF FRICTION MATERIALS.

ABEX CORPORATION, OF 530 FIFTH AVENUE, NEW YORK, NEW YORK, UNITED STATES OF AMERICA.

Application No. 130769 filed March 29, 1971.

2 Claims.

A method of producing friction elements composed of fillers including at least about five percent by weight of asbestos fibres bonded by a thermosetting resin, said method comprising the step of pressing the solvent free mixture at room temperature within a mold conforming the geometry of the friction element to be produced, and the step of subsequently heat curing the article outside the mold without further pressure application to densify or cure the article, characterized in that the mixture initially is subjected to a predetermined amount of constant pressure, which is only a fraction of the final pressure, and for a time sufficient to expel substantially all the air trapped in the mixture, and in that in a subsequent second step a pressure is applied which gradually increases to the final value determined as that producing the desired density of the mixture, whereupon the heat curing is carried out outside of the mold.

CLASS 32-F-1, 32-F-2(a), 55-D-2.

130814.

#### PROCESS FOR THE PREPARATION OF NOVEL 3-(2-PHENYLISOPROPYL) UREA DERIVATIVES.

SHOWA DENKO K. K., OF 34, SHIBA-MIYAMOTO-CHO, MINATO-KU, TOKYO, JAPAN.

Application No. 130814 filed April 1, 1971.

1 Claims.

A process for the preparation of a compound of the general formula shown in Fig. 1 of the accompanying drawings, wherein  $Z$  is a hydrogen atom or a lower alkyl group  $R_1$  is a hydrogen atom and  $R_2$  is a lower alkyl group or a phenyl group, which may have one or two lower alkyl, as benzene substituent, wherein a compound of the general formula I shown in Fig. 2 of the drawings, wherein  $Z$  is as defined above, is reacted with the compound of the general formula  $R_2NCO$  wherein  $R_2$  is as defined above.

CLASS 155-D, 90-1, 34-A, 48-C, 48-D-1.

130993.

#### GLASS REINFORCED POLYMER COMPOSITES.

IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, S. W. 1., ENGLAND.

Application No. 130993 filed April 16, 1971.

Convention date April 17, 1970 (18481/70) U.K.

20 Claims—No drawings.

A process for the production of a composite material or article as herein described in which an inorganic glass as herein described having a transformation temperature (as herein defined) in the range of  $100^\circ\text{C}$  to  $400^\circ\text{C}$  is added to an organic thermoplastic polymer as herein described and the product is subject to a deformation process as herein described at a temperature at which both polymer and glass are deformable without fracture to form a two phase system.

CLASS 55-D-2, 60-X-1.

131248.

#### SOIL FUNGICIDE.

SANKYO COMPANY LIMITED, 1-6, 3 CHOME, NIHONBASHI HONCHO, CHOU KU, TOKYO, JAPAN.

Application No. 131248 filed May 5, 1971.

3 Claims.

A process for preparing an agricultural composition for the treatment of soil which comprises mixing in any order or sequence an active ingredient having the formula I shown in the drawings wherein  $R$  represents a lower alkyl group having upto 5 carbon atoms and a compounds having the formula II wherein  $M$  represents hydrogen atom or a metal atom capable of forming a salt and agriculturally acceptable carrier, the total concentration of compounds of formula I and formula II being between 0.1 and 95% by weight, preferably between 0.5 and 70% by weight of the total mix.

CLASS 187-E-4.

131517.

#### LOCKING DEVICE FOR A TELEPHONE.

ATUL AMRITLAL SHAH, AT PATEL & SHAH BUILDINGS, OPPOSITE NAGARI EYE HOSPITAL, ELLISBRIDGE, AHMEDABAD-6, (GUJARAT STATE), INDIA.

Application No. 131517 filed May 28, 1971.

6 Claims.

A locking device for a telephone consisting principally of; (a) a first lever mechanism actuated by the dial each time it is rotated and which in turn causes an associated

spring loaded toothed wheel having predetermined number of teeth depending upon the digits assigned to a local call to advance by a specified number of teeth and to reach a stop by the time all the digits of the local call or at least one digit less than the number of digits required for a direct dialling trunk call have been dialled thereby preventing further rotation of the dial; (b) a second lever mechanism which prevents the said wheel to return to its original position when the same was advanced once by the said first lever mechanism; (c) a third lever mechanism for unlocking the said first and second mechanisms when the receiver is replaced on the phone thus permitting the said wheel to return to its original position due to the force of its own spring, thus the wheel being ready for the next dialling; and (d) a lock openable selectively by a key which in its open position by a tong thereof causes the said second lever mechanism not to prevent the return of the said wheel to its original position.

CLASS 32-A. 132031.

# PROCESS FOR THE MANUFACTURE OF FAST DYEINGS OR PRINTINGS ON FIBROUS MATERIALS CONTAINING CELLULOSE.

FARBWERKE HOECHST AKTIENGESSELLSCHAFT VORMALS MEISTER LUCIUS & BRUNING, OF 45, BRUNINGSTRASSE, FRANKFURT/MAIN, FEDERAL REPUBLIC OF GERMANY.

Application No. 132031 filed July 8, 1971.

## 7 Claims.

Process for the manufacture of fast dyeings or prints on fibrous materials containing cellulose which comprises applying metal-containing reactive dyestuffs of the general formula I of the accompanying drawings in which M represents a cobalt or chromium atom, R represents a hydrogen atom, a halogen atom, a nitro, an acetyl-amino, an amino or a lower alkyl, or alkoxy group containing from 1 to 4 carbon atoms, R' represents a hydrogen atom or an alkyl radical containing from 1 to 4 carbon atoms, R'' represents a hydrogen atom, an alkyl radical containing from 1 to 4 carbon atoms or a phenyl radical which may be substituted by chlorine or bromine atoms, by hydroxyl groups, sulfonic acid groups, carboxylic acid groups, alkyl groups containing from 1 to 4 carbon atoms and/or methoxy or ethoxy group and *n* is zero or the integer 1 and X represents the vinyl radical or the rest of the formula-CH<sub>2</sub>-CH<sub>2</sub>-Y, in which Y is a halogen atom, a sulfuric acid ester, thiosulfuric acid ester, phosphoric acid ester, dimethyl or diethylamino group, wherein the grouping-NR' R'' stands in the 2- or 3- position of the naphthol components on the said fibrous materials and fixing them by means of alkaline agents or by the action of heat at temperatures up to 200°C.

CLASS 103. 132103.

# VAPOUR CORROSION INHIBITOR OIL.

CHIEF SCIENTIST, RESEARCH AND DEVELOPMENT ORGANISATION, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI (INDIA).

Application No. 132103, filed July 13, 1971.

## 5 Claims

Vapour corrosion inhibiting oil comprising a mineral oil fortified with a polar corrosion inhibitor such as petroleum sulfonates of barium, calcium and strontium organic phosphates and ammonium compounds of naphthenates/oleates.

CLASS 90-1, 146-D-1. 132245.

# COMPOSITION FOR PREVENTING MISTING AND/OR FOGGING OF GLASS SURFACES.

CHIEF SCIENTIST, RESEARCH AND DEVELOPMENT ORGANISATION, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI, INDIA.

Application No. 132245 filed July 26, 1971.

## 3 Claims—No drawings

A composition for preventing the misting and/or fogging of glass surfaces in ambient temperatures down to about minus 30°C comprising an aqueous solution of polyhydric alcohol having dissolved therein a non-ionic detergent, silicate and polyphosphate boosters, a freely water soluble disaccharide chlorides of second group metals, a chelating agent and a soluble cellulose derivative.

CLASS 151-C, 151-E. 132313.

# IMPROVEMENTS IN OR RELATING TO ARTICLES HAVING A REINFORCEMENT STRUCTURE.

DUNLOP HOLDINGS LIMITED, OF DUNLOP HOUSE, RYDER STREET, ST. JAMES'S, LONDON S.W. 1., ENGLAND.

Application No. 132313 filed July 31, 1971.

## 18 Claims

A reinforced flexible article such as herein described a reinforcing layer formed from at least one reinforcing strip each reinforcing strip comprising a plurality of longitudinally extending reinforcing filaments affixed to a carrier strip formed from a membrane of polymeric material.

CLASS 113-D, 28-A.G. 132380.

# IMPROVEMENTS IN INCANDESCENT KEROSENE OIL LAMP.

ASIM KUMAR GOSWAMI A.C.S.P.O. MOHAN-BARI AIRPORT, DIBRUGARH, ASSAM, INDIA.

Application No. 132380 filed August 5, 1971.

Addition to No. 102988.

## 5 Claims

An improvement in or modification of an incandescent Kerosene Oil Lamp according to Indian Patent Specification No. 102988, comprising an annular fuel tank and a burner assembly, the said assembly comprising a perforated inner cylinder fitted to the annular opening of the fuel tank, two equally larger diameter perforated outer cylinders of substantially shorter length than the said inner cylinder, wherein the said outer perforated cylinders—one to be fitted coaxially at the top and the other at the bottom of the said inner perforated cylinder and the inner perforated cylinder is provided with a cylindrical wick, the said wick being connected to the fuel tank and having means to vertically slide it, the said top outer perforated cylinder and the inner perforated cylinder being provided with air-gap in between them and the inner perforated cylinder characterised in that the said burner assembly is provided with a "frustum of a cone" shaped top outer perforated cover in lieu of cylindrical shape and as such the symmetrically fixed spacer rings on the inner perforated cylinder as disclosed in the original patent are not necessary.

CLASS 32-A-1. 133137.

# PROCESS FOR PREPARING WATER-SOLUBLE MONOAZO DYE STUFFS.

FARBWERKE HOECHST AKTIENGESSELLSCHAFT VORMALS MEISTER LUCIUS & BRUNING, OF 45, BRUNINGSTRASSE, FRANKFURT/MAIN, FEDERAL REPUBLIC OF GERMANY.

Application No. 133137 filed October 6, 1971.

## 14 Claims

Process for preparing water-soluble monoazo dye-stuffs which in the form of the free acid correspond to

the general formula (1) of the accompanying drawings, in which D represents the phenyl or naphthyl group of a diazo component,  $R_1$  represents the phenyl group,  $R_2$  represents a phenyl or naphthyl group, X represents a  $-CH_2-$  or  $-CH_2-CH_2-$  group and Y represents a group of the formula (2) or (3) in which Z stands for an inorganic or organic radical which can be split off with the aid of alkaline agents or for the hydroxyl group, and n stands for the number 0 or 1, p and  $p_1$  stand for the numbers 0, 1 or 2, m and  $m_1$  stand for the numbers 0, 1, 2 or 3 and the sum of  $(p+p_1)$  being equal to 1 or 2 and the sum of  $(m+m_1)$  being equal to 1, 2 or 3, wherein diazotized aromatic amines of the series of benzene or naphthalene are coupled with coupling components of the formula (4) in which  $R_1$  and  $R_2$  and n,  $p_1$  and m, X and Y have the meanings given above selecting the components in such a manner that the monoazo dyestuff contains 1 to 3 sulfonic acid groups and 1 or 2 groups of the formula (5) in which X, Y and n have the meanings given above, and the dyestuffs so obtained, if Z represents in them the hydroxyl group, are converted, if desired, by means of sulfating or phosphorylating agents such as sulfuric acid, sulfur trioxide, phosphoric acid, pyrophosphoric acid, metaphosphoric acid, polyphosphoric acid or mixtures of phosphoric acid and phosphorus (V)-oxide, or phosphor-oxy chloride, into the corresponding sulfuric acid esters or phosphoric acid esters.

CLASS 24-D, E. 133226.

#### A FLUID PRESSURE BRAKE EQUIPMENT.

WESTINGHOUSE AIR BRAKE COMPANY, LOCATED AT PITTSBURG, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 133226 filed October 14, 1971.

#### 16 Claims

A fluid pressure brake equipment for a vehicle having a sprung part and an unsprung part, comprising in combination (a) a brake pipe normally charged with fluid under pressure, (b) a reservoir normally charged to the pressure in said brake pipe, (c) braking means for effecting a brake application, (d) a fluid pressure responsive brake control valve operative in response to variations in the pressure in said brake pipe to control the supply of fluid under pressure from said reservoir to said braking means to cause a brake application, (e) a differential abutment means, (f) valve means operable by said differential abutment means in response to the establishment of a first differential fluid pressure force acting in one direction on said abutment means to open a communication through which said brake control valve effects the supply of fluid under pressure from said reservoir to said braking means, and operable in response to the establishment of a second differential fluid pressure force in excess of said first differential fluid pressure force and acting in an opposite direction on said abutment means to close said communication, (g) one-way valve means operable to control flow of fluid under pressure from said braking means to said brake control valve, (h) stop means carrier by the unsprung part of the vehicle, and (i) load-sensing means including a lever having one end pivotally mounted on the sprung part of the vehicle and the other end rockable into abutting contact with said stop means, to provide, only while the vehicle is loaded, a first position of said load-sensing means in which said first differential fluid pressure force is established on said abutment means, and to provide, only while the vehicle is empty, a second position of said load-sensing means in which said second differential fluid pressure force is established on said abutment means.

CLASS 116-A, D and H. 133294.

#### AN IMPROVED BEAM RAISING DEVICE.

RIPON BERRY, D-160, NEW RAJINDER NAGAR, NEW DELHI-60, INDIA.

Application No. 133294 filed October 21, 1971.

#### 3 Claims

A beam raising device characterized in that it consists of a pulley mounted on a mast of tubular or lattice construction detachably fixed to a base wherein the said mast is provided with an eye for anchoring the traction machine and a gripping device for gripping the wire rope and the beam in the lifted position, the said wire rope after passing over the said pulley is connected to the beam for being lifted initially when the traction machine is operated.

CLASS 205-C 133413

#### IMPROVEMENTS IN THE MANUFACTURE AND CONSTRUCTION OF WHEELS.

DUNLOP INDIA LIMITED, OF 57-B, MIRZA GHALIB STREET, CALCUTTA-16, WEST BENGAL, INDIA.

Application No. 133413 filed October 29, 1971.

#### 11 Claims

An improved wheel particularly for animal drawn vehicles which comprises a circular central disc member of pressed metal sheet having a predetermined area around its periphery pressed to the shape of one half of the profile of the desired rim and an annular member of metal pressed to the shape of the other or complementary half of the profile of the desired rim, the annular member being placed in contact with the disc member and secured thereto in such a manner that the two complementary half profiles of the rim combine to form a complete rim.

CLASS 120-C<sub>4</sub>. 134646.

#### LUBRICATING DEVICE FOR TEXTILE SPINNING AND TWISTING RINGS.

MASCHINEFABRIK RIETER A.G., OF WINTERTHUR, SWITZERLAND.

Application No. 134646 filed February 17, 1972.

Convention date August 24, 1971 (39593/71) U.K.

#### 7 Claims

A lubricating device for textile spinning and twisting rings to which rings the lubricant is supplied by wicks from a supply reservoir, provided with an absorbing body, wherein a lubricant reserve reservoir, is provided for supplying the absorbing body in the supply reservoir with lubricant, the reserve reservoir being so arranged that the maximum lubricant level in the reserve reservoir is lower than the bottom of the supply reservoir containing the absorbing body.

CLASS 32-B, 56-E. 134871

#### BUTADIENE RECOVERY PROCESS

SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ N.V., OF 30, CAREL VAN BYLANDT-LAAN, THE HAGUE, THE NETHERLANDS.

Application No. 134871. filed March 8, 1972.

#### 16 Claims

A process for the recovery of butadiene from mixture thereof with other  $C_4$ -hydrocarbons by means of extractive distillation in the presence of a polar solvent and subsequent solvent stripping, characterized in that a fat solvent recovered from the extractive distillation zone is introduced, optionally after partial depletion, into a first stripping zone operated at a lower pressure than the



extractive distillation zone, a butadiene-enriched vapour stream is recovered from said stripping zone, a portion of said vapour stream after compression is returned to the extractive distillation zone, another portion of said vapour stream after compression is introduced into a second stripping zone and butadiene is recovered from the said second stripping zone.

CLASS 32-F-2-b, 32-F-1.

135372

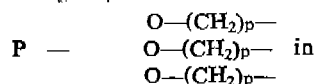
# IMPROVED PROCESS FOR THE PREPARATION OF PIPERIDINE-SPIRO-HYDANTOIN DERIVATIVES.

SANKYO COMPANY LIMITED, OF 1-6, 3 CHOME, NIHONBASHI HONCHO, CHUO KU; TOKYO, JAPAN.

Application No. 690/1972 filed June 27, 1972.

## 5 Claims

A process for the preparation of a compound having the formula (I) of the accompanying drawings, wherein X is oxygen atom or sulfur atom; n is an integer of 1 through 4 inclusive; R represents, when n is 1, an alkyl group of 1 to 20 carbon atoms, an alkenyl group which may be substituted with halogen, an alkynyl group which may be substituted with phenyl, an aralkyl group which may be substituted with halogen, alkyl of 1 to 4 carbon atoms or halomethyl, a hydroxyalkyl group, an alkoxyalkyl group, an alkenyloxyalkyl group, an aryloxyalkyl group, an alkylthioalkyl group, an acyloxyalkyl group, an epoxyalkyl group, an N-alkyl-substituted aminoalkyl group, an alkoxycarbonylalkyl group, an aryloxycarbonylalkyl group, an aliphatic acyl group, an alkoxycarbonyl group, a phosphino group which is substituted with phenoxy or alkoxy, or a phosphinyl group which is substituted with phenoxy or alkoxy; when n is 2, an alkylene group of 1 to 10 carbon atoms, an alkenylene group of 4 to 18 carbon atoms, dialkylene ether group, an aralkylene group, a bis (acyloxyalkylene) group, or an alkylene-bis(oxycarbonylalkyl) group; when n is 3, an alkanetriyl group of 3 to 10 carbon atoms, a tris(acyloxyalkylene) group, an alkane-tris (oxycarbonylalkyl) group, or a group of the formula



which p is an integer of 1 through 8 inclusive and p's may be the same or different; and when n is 4, a tetrakis (acyloxyalkylene) group or an aklanetetrakis (oxycarbonylalkyl) group; and R<sub>1</sub> represents hydrogen atom, an alkyl group of 1 to 10 carbon atoms, an alkenyl group, an alkenoyl group which may be substituted with aryl, a hydroxyalkyl group, an alkoxyalkyl group, an acyloxyalkyl group, a cyanoalkyl group or nitroso group which comprises reacting a compound having the formula (ii) wherein R<sub>1</sub> and X are as defined above or an alkali metal salt thereof with a halide having the formula (iii) wherein n and R are as defined above and Z is a halogen atom.

CLASS 163-B-3.

135373

# A ROTARY INTERNAL COMBUSTION ENGINE.

HEMANT PATEL, OF TARU MOTORS, ASHRAM ROAD NAVRANGPURA, AHMEDABAD-9, STATE OF GUJARAT, INDIA.

Application No. 406/1972 filed June 2, 1972.

Division to Application No. 130278 dated February 16, 1971.

## 7 Claims

A rotary internal combustion engine comprising a rotor body having three apexes equally spaced from each other and adapted to be rotated within a stationary housing comprising two end plates having therebetween an

inter connecting member, said rotor body mounted on a hollow shaft through an eccentric, a first port provided in said shaft and in flow communication with a lubricant pump, a second port provided in said shaft and in flow communication with a passage provided in said eccentric and whereby the lubricant flows into the hollow passages of the rotor body, an outlet provided in each of said end plates.

CLASS 201-C.

135374

# PROCESS FOR REDUCING THE CONCENTRATION OF AN ORGANIC HALOGEN CONTAINING COMPOUND IN ACQUEOUS SOLUTION OR SUSPENSION

IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, S. W. 1., ENGLAND.

Application No. 296/1972 filed May 24, 1972.

Convention date May 25, 1971 (16873/71) U.K.

## 13 Claims

A process for reducing the concentration of an organic halogen-containing compound in an aqueous solution or suspension by contacting the solution or suspension with an organic polymer or co-polymer for a time sufficient to reduce the concentration of the halogen-containing compound to a predetermined level, the polymer or co-polymer including at least one compound selected from the group consisting of paraffin waxes, polyolefins, vinyl polymers, and halogenated derivatives thereof.

CLASS 32-E.

135375

# IMPROVEMENTS IN OR RELATING TO THE PROCESS FOR THE PREPARATION OF ROOM TEMPERATURE VULCANIZING SILICONE ELATOMERS.

SPACE SCIENCE AND TECHNOLOGY CENTRE, OF ISRO POST, TRIVANDRUM-22, KERALA, INDIA.

Application No. 674/1972 filed June 26, 1972.

## 4 Claims—No drawings.

A process for the preparation of an elastomer which consists in cross linking a polydimethyl siloxane  $\alpha$ ,  $\omega$ -diol with an ester of silicic acid in the presence of a catalyst and filler.

CLASS 32-F-2-(a), 62-X-2(a).

135376

# PROCESS FOR THE PREPARATION OF DERIVATIVES OF LINCOMYCIN.

THE UPJOHN COMPANY, 301 HENRIETTA STREET, KALAMAZOO, MICHIGAN, UNITED STATES OF AMERICA.

Application No. 526/1972 filed June 13, 1972.

## 5 Claims.

A process for making compounds of the formula I shown in the accompanying drawings, which comprises heating a compound of the formula II shown in the drawings, with a sulfide of the formula R<sub>2</sub>-S-R<sub>1</sub>-SR<sub>2</sub> in the presence of anhydrous lower alcanoic acid or arenoic acid of not more than 12 carbon atoms, AC and AC<sub>1</sub> being carboxacyl; Alk being alkyl of not more than 4 carbon atoms or 2-hydroxyethyl; R<sub>1</sub> being alkylene of 2 to not more than 18 carbon atoms; R<sub>2</sub> being a saturated aliphatic hydrocarbon radical of not more than 18 carbon atoms, an unsaturated aliphatic hydrocarbon radical of not more than 10 carbon atoms; an aromatic hydrocarbon radical of not more than 11 carbon atoms; or an oxacarbo-cyclic aromatic or thiacarbo-cyclic aromatic hydrocarbon radical of not more than 8 carbon atoms; and R<sub>2</sub> is carboxacyl or hydrogen when R<sub>1</sub> is a primary trimethylene group or a secondary lower trimethylene group containing not more than 8 carbon atoms and removing the carboxacyl groups by hydrazinolysis as herein described.



## Printed Specification Published

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

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**Patents Sealed**

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**Amendment Proceedings Under Section 57**

The amendments proposed by Veb Fahlberg—List Magdeburg Chemische und Pharmazeutische Fabriken, in respect of patent No. 121513 as advertised in Part III, Section 2 of the Gazette of India dated the 17th February 1973 have been allowed.

**Registration of Assignments, Licences, Etc. (Patents)**

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests —

122264 — M/s. Sun Research And Development Co.

85290 — M/s. Regina Glass Fibre Limited.

61962

63238 M/s. Pibco Limited.

83390

83044

84247

112479 M/s. Captocaps Private Limited.

112480

**Patents Deemed to be Endorsed with the words****"Licences of Right"**

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
102868 (23-12-64)	Process for treating crude petroleum oil.
102883 (7-12-65)	A process for producing liquid food-stuff.
102887 (7-12-65)	N-secondary alkyl diamine compounds and their process of preparation.
102902 (8-12-65)	Process for preparing dichloro anilides.
102941 (10-12-65)	Process for extracting oil from vegetable material.
102943 (22-12-64)	Process for preparing azines and the compounds so prepared.
103015 (15-12-65)	Method of liquefying and regassifying natural gas or methane.
103021 (15-12-65)	Complex metal dyestuffs processes for their manufacture and fibrous material dyed or printed by a process using said dyestuffs.
103022 (15-12-65)	A method for the production of proteins by a continuous fermentation of hydrocarbons.
103028 (15-12-65)	Fungicidal composition for controlling diseases of rice crops, especially rice blast and rice sheath blight, and method of carrying out said control.
103029 (15-12-65)	A process for preparation of sodium metaphosphate admixed with sodium sulphate for water treatment.
103030 (15-12-65)	A process for preparation of sodium polyphosphates from trisodium phosphate or disodium hydrogen phosphate.
103044 (15-12-65)	A process for desalinating brackish water or sea water.
103051 (16-12-65)	Process for the preparation of polyvinylaromatic compositions.
103052 (16-12-65)	Method of agglomerating chromium ore containing serpentine.
103059 (16-12-65)	A process for the bulk preparation of vinyl chloride polymers and copolymers in two stages.
103067 (17-12-65)	Improvements in or relating to the electrolytic preparation of perchlorates.
103074 (17-12-65)	A process for the preparation of ferrogenous materials.
103076 (17-12-65)	A process for the production of new ureas and agents containing them.
103077 (17-12-65)	Process for the production of a new formamidine.
103099 (20-12-65)	Process and apparatus for the clarification treatment of solids-carrying liquids.
103101 (20-12-65)	Process for the preparation of substituted O-carbonyl hydroxamates, compounds obtained thereby and compositions comprising same.

No.	Title of the invention
103110 (12-1-65)	Method of preparing unsaturated aldehydes and catalyst therefor.
103111 (12-1-65)	Method of preparing unsaturated nitriles.
103112 (13-1-65)	A method for preparing acrylonitrile.
103122 (30-9-65)	A process for the production of thermoplastic moulding compositions.
103123 (21-12-65)	Strong, hard rough-textured fertilizer granules, a process for their manufacture and apparatus therefor.
103125 (21-12-65)	Water-soluble monoazo dyestuffs, process for their manufacture and process for dyeing or printing, polymers or copolymers of acrylonitrile.
103131 (22-12-65)	Process for production of pure metal chlorides from oxide ores.
103136 (27-5-64)	Method of preparing polyamides containing silane end groups.
103138 (22-12-65)	A process for making thermoplastic compositions.
103153 (23-12-65)	Self-foaming polyurethane resins and process for making the same.
103154 (23-12-65)	A stabilized foam precursor composition and process of its production.
103163 (23-12-65)	Process for the preparation of aqueous colloidal solutions of flocculating agents of the poly-acrylic amide type having high molecular weight.
103172 (24-12-65)	Disazo pigments and process for their manufacture.
103174 (12-1-65)	Catalyst and method of preparing unsaturated aldehydes and acids.
103175 (27-12-65)	Oxidation of hydrocarbons to form alcohols.
103179 (8-10-65)	A process for the preparation of cross-linked polymers.
103191 (8-1-65)	Process for the manufacture of water-soluble reactive azo dyestuffs suitable for colouring cellulose textile materials.
103192 (8-1-65)	Process for the manufacture of water-soluble reactive azo dyestuffs suitable for colouring cellulose textile materials.
103193 (28-12-65)	Pyrolysis of coal.
103197 (28-12-65)	Process for the preparation of 4'-nitrodiphenyl-4-carboxylic acid.
103201 (29-12-65)	A method for the production of lead zirconate titanate.
103217 (30-12-65)	Improvement in or relating to preparation of 3, 3'-bi-chloromethyl oxacyclobutene.
103220 (13-1-65)	Methods of preparing oxygenated products from gaseous monoolefins and catalysts therefor.
103221 (30-12-65)	Gas separation process.
103231 (28-10-65)	Preparation of polyamides
103243 (31-12-65)	Disperse dyes of the monoazo series and the process of their production.
103250 (1-1-66)	Disperse dyes of the monoazo series, process for their production, and the materials dyed or printed therewith.
103265 (3-1-66)	Process for the preparation of fluorinated glycidyl ethers, and/or their polymers

No.	Title of the invention
	compounds so obtained and substrates, treated thereby.
103271 (3-1-66)	Water-soluble phthalocyanine dyestuffs, process for preparing them, and material which has been dyed or printed by process using said dyestuffs.
103274 (3-1-66)	Improved method of refining pig iron by oxygen top blowing process.
103279 (3-1-66)	Process for the purification of lactides.
103283 (3-1-66)	Carbon black process.
103285 (3-1-66)	Process for vulcanizing caoutchouc and caoutchouc-like elastomers containing double bonds, with fillers.
103324 (15-5-63)	A method for the preparation of copolymers.
103345 (8-1-65)	Additive for lubricant and the process for making it.
103357 (10-1-66)	Process for extracting the raw meat from the shell of the body section of the spiny lobster.
103385 (13-1-66)	Process for preparing catalysts.
103400 (13-1-66)	Improvements in the preparation of vinyl chloride polymers and copolymers.
103416 (14-1-66)	A process for producing sponge iron.
103428 (8-11-65)	Fungicidal products, their production and compositions containing them.
103444 (15-1-66)	Process and apparatus for continuously producing a compound capable of being polycondensed or polymerized.
103445 (15-1-66)	Improvements in process and apparatus for continuously polycondensing or polymerizing monomers.
103449 (15-1-66)	Process and apparatus for the neutralization of acid solutions of caprolactam.
103454 (22-5-63)	Pesticidal compositions containing benzothienyl carbamates.
103457 (17-1-66)	Derivatives of 3-(difluorocyclobutyl)-acrylonitrile and process for preparing them.
103468 (17-1-66)	Process and apparatus for the production of phosphoric acid by the wet method, starting with phosphate and sulphuric acid.
103478 (17-1-66)	Basic dyestuffs, processes for their manufacture, process for dyeing or printing and materials dyed or printed therewith.
103483 (18-1-66)	Basic azo dyestuffs and process for preparing them, and textile materials which have been dyed or printed by a process using said dyestuffs.
103484 (18-1-66)	Zinc alloy and method of making same.
103499 (18-1-66)	New disazo pigments, processes for their manufacture and organic materials pigmented therewith.
103500 (18-1-66)	New anthraquinone dyestuffs, processes for their manufacture and materials dyed or printed therewith.
103534 (20-1-66)	Improved process for the production of mixtures of several non-miscible liquids.
103555 (22-1-66)	Manufacture of agar-agar from Indian sea-weeds.

No.	Title of the invention	71959	72112	72129	72164	72177	72262	72298	72324
103559 (22-1-66)	A method for preparing sulphur from sulphur dioxide containing gases.	72341	72379	72409	72427	72428	72540	72698	72745
103563 (22-1-66)	Pesticidal preparations.	73131	76349	76730	76799	76811	76878	76888	76938
103564 (22-1-66)	Fatty composition, process for its preparation, and chocolate containing the same.	76972	76968	77042	77050	77051	77064	77250	77404
103573 (25-1-66)	A process for preparation of carbon black from carbon slurry produced during gassification of petroleum oils.	77408	77525	77568	77673	77735	78025	79514	79516
103580 (28-1-65)	2-(2, 6-dihalophenyl)-4-hydroxy-5-carboxymethylthiazole and alkylesters thereof as herbicides.	79517	79518	79741	81817	82061	82062	82285	82395
103581 (2-2-65)	Azo dyes and a process for preparing them.	82448	82471	82479	82515	82525	82547	82550	82563
103588 (25-1-66)	Process for polymerizing conjugated dienes.	82584	82626	82642	82662	82685	82704	82759	82810
103597 (25-1-66)	Herbicide composition.	82834	82861	82935	82936	82977	82980	82981	82995
103631 (28-1-66)	Process for the preparation of fertilizer compositions.	83050	83059	83104	83322	83362	83390	83454	83541
103640 (28-1-66)	Process for the manufacture of pulverulent ferromanganese.	83733	84960	84961	87745	88098	88145	88221	88244
103641 (28-1-66)	Pesticidal preparations containing benzoxazolonylureas.	88264	88337	88346	88352	88404	88407	88429	88436
103647 (29-1-66)	Process for the preparation of finely divided, insoluble malamineformaldehyde condensation products.	88459	88473	88544	88556	88579	88609	88612	88638
103676 (31-1-66)	Process for the preparation of hydrocarbon phosphine-cuprous iodide, and its use in the production of stabilized polyamides.	88733	88805	88844	89032	89043	89092	89147	89167
103682 (31-1-66)	Process for the chlorination of acetophenones.	89202	89441	89584	89585	92348	92818	93900	93987
103687 (31-1-66)	Non-sludging organic phosphate insecticide-fuel oil compositions.	93989	93991	94019	94048	94072	94088	94092	94169
103688 (31-1-66)	O-methyl-5-methyl phosphoroamidothioates, process for their preparation and insecticidal compositions containing the same.	94228	94254	94265	94268	94290	94325	94380	94381
103690 (31-1-66)	Whippable milk product or cream and a process for its production.	94382	94530	94592	94601	94616	94632	94669	94703
103721 (2-2-66)	A method of preparing a complex compound of lysine hydroiodide and copper and the complex compound suitable for the stabilization of polyamides.	94706	94720	94723	94724	94725	94757	94784	94857
103725 (2-2-66)	Process for preparing phosphoric acid.	94888	94908	94936	95198	95330	95361	95744	95745
103733 (2-2-66)	Catalytic hydrogenation of diolefins.	95954	95955	95956	95957	95958	98287	98991	99348
103736 (2-2-66)	Improvements in or relating to the conversion or refining of hydrocarbons catalyst therefor and process for preparing the same.	99429	99430	99707	99746	99791	99823	99848	99877
103757 (4-2-66)	Process for oxidizing propylene.	99885	99917	100002	100039	100167	100208	100209	
103771 (5-2-66)	Process for the polymerization of cycloolefins.	100210	100215	100223	100235	100240	100241	100242	
103773 (5-2-66)	Process for producing polymeric materials in bead form.	100243	100287	100288	100319	100345	100349	100577	
103774 (5-2-66)	A process for suspension polymerization of vinyl monomers.	100657	100711	100712	100860	100861	100988	101195	
		102820	102821	102822	102823	103050	104628	105374	
		105404	105415	105445	105461	105463	105471	105485	
		105486	105487	105492	105505	105527	105528	105545	
		105554	105558	105566	105573	105581	105585	105597	
		105620	105635	105636	105659	105662	105663	105741	
		105753	105784	105795	105836	105940	105944	105952	
		105953	105982	106005	106013	106119	106132	106273	
		106483	107080	107506	108277	108452	109529	109880	
		110131	110459	110682	110743	110771	110780	110813	
		110830	110887	110910	110914	110921	110999	111004	
		111054	111090	111091	111104	111112	111120	111140	
		111171	111185	111191	111205	111219	111229	111230	
		111251	111319	111324	111354	111383	111410	111436	
		111488	111551	111593	111720	111739	111740	111727	
		111921	112051	112151	113029	113638	113639	114191	
		114852	115306	115787	115873	115890	115977	116017	
		116051	116096	116122	116127	116131	116140	116141	
		116151	116156	116160	116211	116219	116221	116233	
		116236	116242	116243	116245	116284	116308	116337	
		116343	116346	116356	116386	116392	116394	116407	
		116427	116451	116464	116481	116507	116512	116530	
		116552	116581	116611	116766	116907	116908	116949	
		116981	117006	117474	117602	117804	120466	121189	
		121295	121308	121467	121500	121502	121594	121609	
		121610	121613	121623	121645	121673	121674	121675	
		121689	121690	121698	121699	121717	121722	121723	
		121746	121787	121790	121791	121813	121830	121881	
		121920	121921	121922	121940	121950	121952	121966	
		121967	121974	121980	121991	122059	122175	122251	
		122264	122322	122363	122429	122502	122989	123667	
		124812	125213	125582	125984	126147	126213	126229	
		126230	126295	126342	126346	126369	126394	126395	
		126396	126684	126697	126703	126807	126818	126821	
		126876	126974	127022	127023	127032	127053	127304	
		127739	128119	128152	128603	129026	129211	129327	
		130069	130197	130379	130881	131860	133533		
63913	64302	64320	64423	65528	66935	67010	67316		
67721	67826	67846	67900	67913	67960	67993	68018		
68044	68078	68079	68225	68552	68817	71952	71955		

## Renewal Fees Paid

## Cessation of Patents

79976	87422	102302	103439	104023	104024	104030
104031	104032	104045	104046	104048	104050	104053
104058	104061	104064	104080	104081	104082	104084
104085	104100	104101	104104	104107	104109	104113
104114	104119	104121	104126	104134	104135	104139
104141	104150	104151	104160	104164	104170	104173
104174	104178	104180	104181	104186	104195	104196
104197	104198	104199	104206	104208	104209	104210
104224	104228	104238	104239	104242	104243	104244
104245	104246	104247	104248	104249	104250	104251
104254	104260	104262	104269	104272	104275	104276
104277	104280	104281	104285	104287	104289	104290
104297	104303	104305	104308	104315	104321	104330
104344	104360	104365	104367	104383	104389	104391
104393	104398	104400	104402	104403	104404	104405
104407	104409	104415	104418	104423	104424	104427
104428	104433	104438	104439	104440	104452	104455
104456	104457	104462	104477	104478	104486	104489
104491	104492	104494	104496	104503	104508	104509
104512	104515	104517	104525	104527	104528	104529
104530	104531	104534	104536	104537	104538	104541
104545	104548	104549	104553	104557	104559	104573
104578	104599	104604	104605	104612	104621	104624
104629	104632	104633	104648	104655	104656	104658
104659	104662	104668	104671	104676	104677	104678
104684	104686	104688	104699	104700	104703	104704
104710	104712	104713	104715	104722	104723	104724
104730	104731	104732	104733	104734	104736	104743
104748	104749	104752	104757	104761	104762	104763
104764	104767	104775	104777	104778	104783	104784
104785	104787	104798	104800	104803	104804	104805
104806	104817	104820	104823	104824	104825	104831
104834	104842	104845	104846	104847	104852	104856
104858	104861	104864	104865	104871	104874	104877
104882	104883	104886	104888	104891	104894	104898
104901	104902	104903	104908	104910	104912	104915
104917	104920	104924	104930	104931	104933	104939
104948	104949	104951	104957	104964	104965	104967
104968	104969	104976	104977	105551	106185	110205
111870	112785	115234				

## Restoration Proceedings

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 86352 granted to Pioneer Sports Works Private Limited for an invention relating to 'Presses for Rackets'. The Patent ceased on the 4th February 1972 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 13th January, 1973.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 9th August, 1973 under Rule 60 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

3—97 GI/73

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 102986 granted to Subramania Iyer Krishna Iyer for an invention relating to "new technique evolved for constructing houses". The patent ceased on the 26th September 1971 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 16th December 1972.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17, on or before the 9th August 1973 under Rule 60 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 107298 granted to Bhupatrai Keshavai Doshi for an invention relating to "improvements in or relating to packing cases." The patent ceased on the 3rd October 1970 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 14th April, 1973.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17, on or before the 9th August 1973 under Rule 60 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 115714 granted to Virendra Singh Kamboj for an invention relating to "improved door bolt". The Patent ceased on the 3rd May, 1972 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 28th April, 1973.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17, on or before the 9th August 1973 under Rule 60 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application for restoration of Patent No. 112494 dated the 25th September 1967 made by Umapada Banerji on the 10th January 1973 and notified in the Gazette of India, Part III, Section 2 dated the 10th February 1973 has been allowed and the said patent restored.

**Registration of Designs**

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

- Class 1. No. 140601. Union Carbide India Limited, an Indian Company, 1, Middleton Street, Calcutta-16, West Bengal, India, "Flashlight switch", January 22, 1973.
- Class 1. No. 140602. Union Carbide India Limited, an Indian Company, 1, Middleton Street, Calcutta-16, West Bengal, India, "Bottom cap for flashlight", January 22, 1973.
- Class 1. Nos. 140603 to 140605. Union Carbide India Limited, an Indian Company, 1, Middleton Street, Calcutta-16, West Bengal, India, "Lens ring for flashlight", January 22, 1973.
- Class 3. Nos. 140581, 140583 to 140587 and 140589, 140590. Kosmetika Private Limited, Sorab House, 524, Senapati Bapat Marg, Dadar, Bombay-28, DD, Maharashtra, Indian Company, "Toys", January 18, 1973.
- Class 3. No. 140611. Mohan Meakin Breweries Limited, an Indian Company, Solan Brewery P.O., Simla Hills, Himachal Pradesh, India, "Transistor", January 22, 1973.
- Class 3. Nos. 140639 and 140640. Adamali Abdulhusen Pardiwala, Indian National, 26-28 Shamseth Street (Chhipi Chawl), City of Bombay, State of Maharashtra, India, "Brush covers", February 1, 1973.
- Class 3. Nos. 140659 to 140661. Aurobrite (India) Private Ltd., 408, Himalaya House, Palton Road, Bombay-1, Maharashtra State, India, an Indian Company, "A button", February 7, 1973.
- Class 3. Nos. 140675 to 140679. Bata Shoe Company Private Limited, a private limited company incorporated under the Indian Companies Act and having its registered office at 30, Shakespeare Sarani in the town of Calcutta, West Bengal, "A sole for footwear", February 21, 1973.

**Copyright Extended for a Second Period of Five Years**

Design No. 133520 Class—1.

Design No. 133105 Class—3.

**S. VEDARAMAN**

*Controller General of Patents, Designs and Trade Marks.*